

Appl. No. 10/021,945
Amdt. Dated August 5, 20043
Reply to Office Action of March 12, 2004

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Amended) A computer system, said computer comprising:
 - a bus;
 - a central processing unit;
 - computer system memory, said computer system memory being connected to said central processing unit; and
 - a memory management mechanism stored in said computer system memory, said memory management mechanism adjusting transaction priority to decrease transaction time and thereby permit more efficient journal space utilization by reducing allocated journal space.
2. (Original) The computer system of claim 1 wherein said memory management mechanism monitors elapsed time of outstanding transactions and selects an oldest transaction therefrom, said memory management mechanism then adjusting a priority of said oldest transaction so that said oldest transaction is able to complete processing more quickly.
3. (Original) The computer system of claim 2 wherein said memory management mechanism is a commit control mechanism.
4. (Canceled)
5. (Original) The computer system of claim 2 wherein said transaction involves more than one job and wherein one of said more than one job executes on a first computer system and another of said jobs executes on a second computer system.

6. (Amended) A program product, said program product comprising:

signal bearing medium; and

a memory management mechanism stored in said computer system memory, said memory management mechanism adjusting transaction priority to decrease transaction time and thereby permit more efficient journal space utilization by reducing allocated journal space.

7. (Original) The program product of claim 6 wherein said memory management mechanism monitors elapsed time of outstanding transactions and selects an oldest transaction therefrom, said memory management mechanism then adjusting a priority of said oldest transaction so that said oldest transaction is able to complete processing more quickly.

8. (Original) The program product of claim 6 wherein said memory management mechanism is a commit control mechanism.

9. (Canceled)

10. (Original) The program product of claim 6 wherein said oldest transaction involves more than one job and wherein one of said more than one job executes on a first computer system and another of said jobs executes on a second computer system.

11. (Amended) A computer implemented method, said method comprising the steps of:

receiving a journal related request; and

adjusting transaction priority to decrease transaction time and thereby permit more efficient journal space utilization by reducing allocated journal space.

12. (Original) The method of claim 11 wherein said adjusting step further comprises:

monitoring elapsed time of outstanding transactions;
selecting an oldest transaction from said outstanding transactions; and
adjusting a priority of said oldest transaction so that said oldest transaction is able to complete processing more quickly.

13. (Canceled)

14. (Original) The method of claim 11 wherein said oldest transaction involves more than one job and wherein one of said more than one job executes on a first computer system and another of said jobs executes on a second computer system.

15. (Amended) A computer implemented method, said method comprising the steps of:

receiving a journal related request ~~for a journal~~;
adjusting transaction priority for a specific transaction to decrease transaction time of said transaction; and
deallocating memory associated with said specific transaction upon completion of said specific transaction.

16. (Original) The method of claim 15 wherein said adjusting step further comprises:

monitoring elapsed time of outstanding transactions;
selecting an oldest transaction from said outstanding transactions; and
adjusting a priority of said oldest transaction so that said oldest transaction is able to complete processing more quickly.

17. (Canceled)

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18. (Original) The method of claim 15 wherein said oldest transaction involves more than one job and wherein one of said more than one job executes on a first computer system and another of said jobs executes on a second computer system.